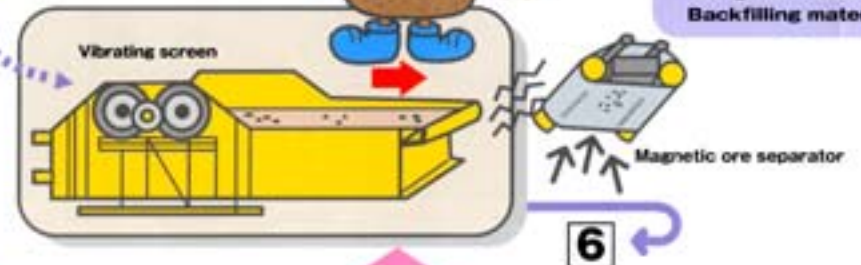
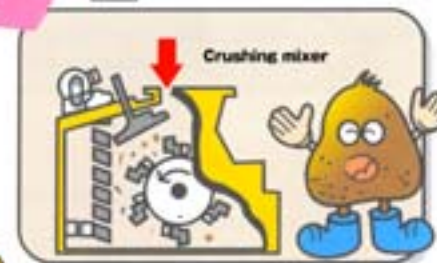
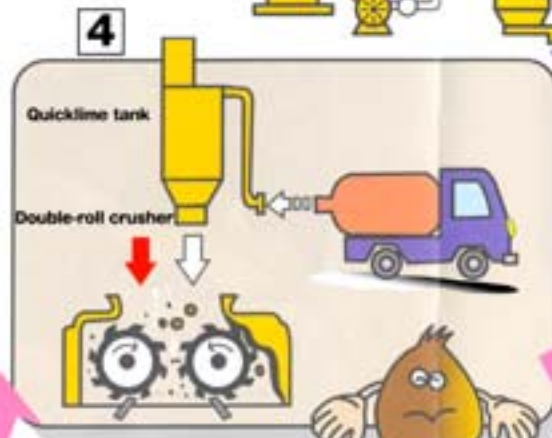
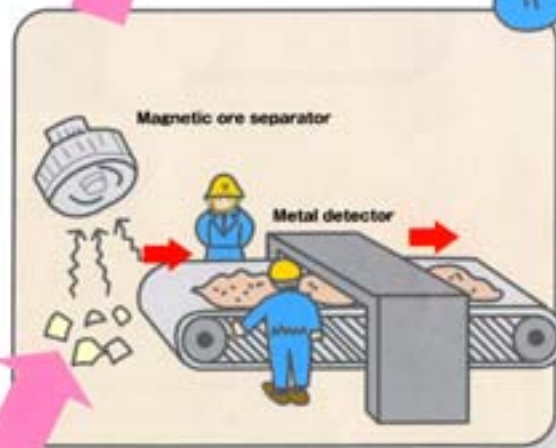
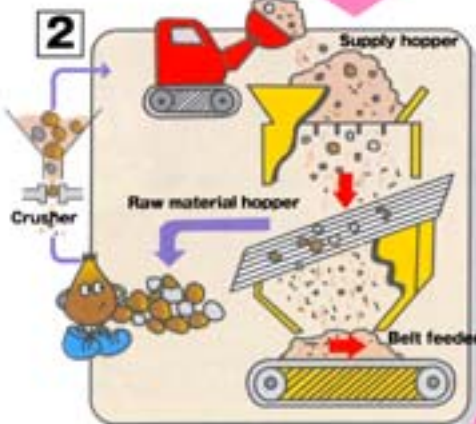
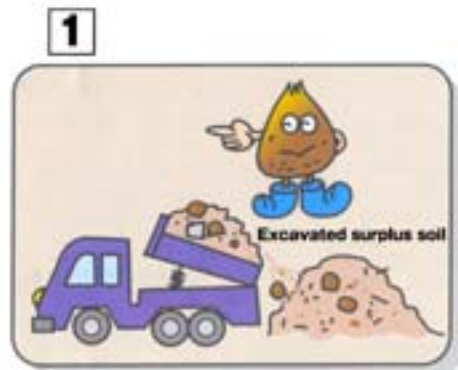


<Soil Improvement Process>

1. Excavated surplus soil (raw soil) is conveyed from construction sites.
 2. Large pieces of raw soil are crushed.
 3. Metallic substances mingled in raw soil are removed.
 4. A few percentage (1 to 3%) of quicklime is mixed in raw soil.
 5. Raw soil is crushed into fine soil.
 6. The clod with a diameter of more than 25 mm is crushed again and metallic substances are removed again.
 7. The improved soil is re-used as subbase material or in backfilling.
- Each process is shown in the illustration with its corresponding number.



Double-roll crusher
Crushing mixer
Vibrating screen
Dust is aspirated at each of above 3 stages.

Use of Improved Soil
Subbase material
Filling material
Subgrade material
Backfilling material

Bird's-eye View
of the Soil Improvement plant



**How to
improve
the soil?**

Location : Nanko-minami 4-chome, Suminoe-ku, Osaka City
(at the western foot of Kanome Ohashi Bridge)
Agency in charge : Osaka City Government
Area of the plant : 8,066m² (2,000m² of excavated soil yard and 2,000m² of improved soil yard)
Capacity : 100tons/hour
Other facilities : Truck scale, Control room, Office building
The plant is in operation since 1983.